

NOV 12 2004

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/500,734	
	Filing Date	07/02/2004	
	First Named Inventor	HILLIS, W. Daniel	
	Group Art Unit	Not Assigned	
	Examiner Name	Not Assigned	
Total Number of Pages in This Submission		Attorney Docket Number	HMI P1174US1

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Express Mail Certificate, Declaration, Postcard, Check in the amount of 262.00
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts /Incomplete Application	Remarks	
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

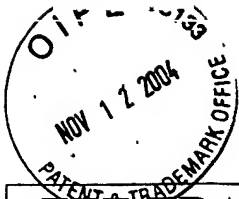
Firm or Individual Name	VARNUM, RIDDERING, SCHMIDT & HOWLETT LLP THOMAS L. LOCKHART		
Signature			
Date	11/11/04		

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

Typed or printed name			
Signature		Date	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



H&C CT/PTO 12 NOV 2004

PTO/SB/17 (10-02)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 262.00**Complete if Known**

Application Number	10/500,734
Filing Date	07/02/2004
First Named Inventor	HILLIS, W. Daniel
Examiner Name	Not Assigned
Art Unit	Not Assigned
Attorney Docket No.	HMI P1174US1

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account #: 22-0257

Deposit Acct Name: Varnum, Riddering et al.

The Commissioner is authorized to: (check all that apply)☒ Charge fee(s) indicated below ☐ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application.
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$)	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid
25		-20**=	5	X	18.00	= 90.00
Independent Claims		-3**=	2	X	86.00	= 172.00
Multiple Dependent						

**or number previously paid, if greater; For Reissues, see above

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$) 262.00	

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,280	2453	640	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	740	2809	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	740	2810	370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	740	2801	370	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$) 90.00

SUBMITTED BY: VARNUM, RIDDERING, SCHMIDT & HOWLETT LLP**Complete (if applicable)**

Name (Print/Type)	Thomas L. Lockhart	Registration No. (Attorney/Agent)	29,324	Telephone	616/336-6000
Signature		Date	11/11/04		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



11-15-04

DT03 Rec'd PCT/PTO

12 NOV 2004

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant[s]: HILLIS, W. Daniel and HOWE, Russel
For: SWITCHING/LIGHTING CORRELATION SYSTEM
Serial No.: 10/500,734
Filed: 07/02/2004

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

"Express Mail" Mailing Label No.:
EL 998835390 US

Date of Deposit: November 11, 2004

Sir:

I hereby certify that the documents listed below are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

<input checked="" type="checkbox"/> Transmittal Form	<input checked="" type="checkbox"/> Declaration for Patent Application	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check attached for \$262.00	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Notice of Allowance and Issue Fee Due
<input type="checkbox"/> Provisional Application for Patent Cover Transmittal <input type="checkbox"/> Specification ___ Pages <input type="checkbox"/> Claims ___ Pages	<input type="checkbox"/> Information Disclosure Cover Letter <input type="checkbox"/> IDS PTO 1449 <input type="checkbox"/> ___ References	<input type="checkbox"/> Certificate of Correction
<input type="checkbox"/> Design/Utility Application Transmittal <input type="checkbox"/> Specification ___ Pages <input type="checkbox"/> Claims ___ Pages	<input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> ___ References	<input type="checkbox"/> Maintenance Fee Transmittal Form <input type="checkbox"/> Maintenance Fee Payment
<input type="checkbox"/> PCT <input type="checkbox"/> Transmittal Letter to the United States Receiving Office <input type="checkbox"/> PCT Fee Calculation Sheet <input type="checkbox"/> PCT Request (___ Pages) <input type="checkbox"/> PCT General Power of Attorney Cover Letter <input type="checkbox"/> PCT General Power of Attorney	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Letter to Official Draftsman	<input checked="" type="checkbox"/> Itemized Postcard
<input type="checkbox"/> Request Transmittal (RCE or CPA)	<input type="checkbox"/> Response to Missing Parts /Incomplete Application	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	
<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> Request for Refund	

Dated: 11-11-04

Courtney N. DeMann
Courtney N. DeMann
VARNUM, RIDDERING SCHMIDT & HOWLETT LLP
Bridgewater Place
Post Office Box 352
Grand Rapids, Michigan 49501-0352
(616) 336-6000



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HILLIS, W. Daniel and HOWE, Russel

For: SWITCHING/LIGHTING CORRELATION SYSTEM

Serial No.: 10/500,734

Filed: 07/02/2004

NOV 12 2004

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted for filing in the above-referenced patent application are the following:

- ☐ [] An Assignment of the invention to Gemini Group, Inc., Assignment cover sheet, and a check in the amount of \$40.00 for the recording fee.
- ☒ [X] A Declaration for Utility or Design Patent Application.
- ☒ [X] Copy of the Notice to File Missing Parts of Nonprovisional Application Filing Date Granted.
- ☒ [X] Check in the amount of \$262.00 for additional claim fees.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 22-0257:

- 1) Any patent application processing fees under 37 C.F.R. ' 1.17;
- 2) Any filing fees under 37 C.F.R. ' 1.16 for presentation of extra claims; and
- 3) Any additional filing fees required under 37 C.F.R. ' 1.16.

A duplicate copy of this correspondence is enclosed.

Respectfully submitted,

W. DANIEL HILLIS and RUSSEL HOWE

Dated: 11/11/04

By Thomas L. Lockhart
Thomas L. Lockhart, Reg. No. 29,324

VARNUM, RIDDERING, SCHMIDT & HOWLETT LLP
Bridgewater Place
Post Office Box 352
Grand Rapids, Michigan 49501-0352
(616) 336-6000



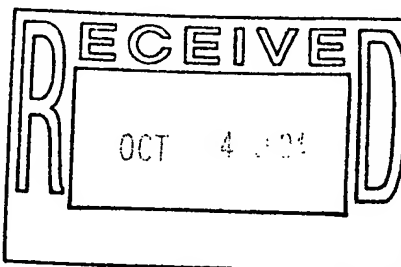
ACT/PTO 12 NOV 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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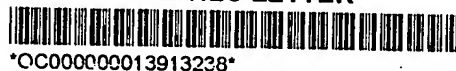
U.S. APPLICATION NUMBER NO. 10/500,734	FIRST NAMED APPLICANT W. Daniel Hillis	ATTY. DOCKET NO. HMI P1174US1
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Varnum Riddering Schmidt & Howlett
Bridgewater Place
P O Box 352
Grand Rapids, MI 49501-0352



INTERNATIONAL APPLICATION NO. PCT/US03/12210	
LA. FILING DATE 04/18/2003	PRIORITY DATE 04/19/2002

CONFIRMATION NO. 6724
371 FORMALITIES LETTER



QC000000013913238

Date Mailed: 09/29/2004

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/02/2004
- Copy of the International Search Report filed on 07/02/2004
- Request for Immediate Examination filed on 07/02/2004
- U.S. Basic National Fees filed on 07/02/2004
- Priority Documents filed on 07/02/2004

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$262 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$262 for a Large Entity:

- Total additional claim fee(s) for this application is \$ 262
 - \$172 for 2 independent claims over 3.

- \$90 for 5 total claims over 20.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/500,734	PCT/US03/12210	HMI P1174US1